



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

ATTENTION: HONORABLE
Commissioner for Patents

P.O. Box 1450

In re the Patent of: HIGUCHI, Takahiro, et al.

P.T.O. Confirmation No.: 9539

Patent No. 7,466,893

Issued: December 16, 2008

FOR: CURABLE RESIN COMPOSITION FOR LIGHT GUIDE FORMATION, CURABLE DRY FILM FOR LIGHT GUIDE FORMATION, CURED RESIN AND LIGHT GUIDE

REQUEST FOR CERTIFICATE OF CORRECTION

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Mail Stop DAC

January 21, 2010

Sir:

The undersigned requests that a Certificate of Correction be issued for the above-identified patent as indicated on the attached Form PTO-1050.

This request is being made in order to insert item (30) in the title page. The Foreign Application Priority Data is omitted, and should read as --JAPAN 2004-49825 February 25, 2004---. Copies of the Letters Patent No. 7,466,893 title page, Official Filing Receipt first page, Declaration and Application Transmittal first page filed August 17, 2006 are enclosed which indicate the correct information. It is respectfully submitted that no new matter has been added.

Since this error is a Patent and Trademark Office printing error, it is respectfully submitted that no fee is required.

Respectfully submitted,

JAN 2 5 2009

KRATZ, QUINTOS & HANSON, LLP

of Correction

Donald W. Hanson Attorney for Applicants Reg. No. 27,133

DWH/ses

Atty. Docket No. **060578**Suite 400
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PATENT & TRADEMARK OFFICE

Enclosures: PTO-1050, Letters Patent title page, Official Filing Receipt 1st page, Declaration and Application Transmittal 1st page filed 8/17/06

UNITED STATES PATENT AND TRADEMARK OFFICE

CERTIFICATE OF CORRECTION

PATENT NO.:

7,466,893

DATED :

December 16, 2008

INVENTOR(S):

HIGUCHI, Takahiro, et al.

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

On the Title Page:

Insert item: (30) Foreign Application Priority Data

--JAPAN 2004-49825 February 25, 2004--

MAILING ADDRESS OF SENDER:
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Patent No.:7,466,893

No. of add'l copies @ 30¢ per page



(12) United States Patent

Higuchi et al.

(10) Patent No.:

US 7,466,893 B2

(45) Date of Patent:

Dec. 16, 2008

(54)	CURABLE RESIN COMPOSITION FOR
	LIGHT GUIDE FORMATION, CURABLE DRY
	FILM FOR LIGHT GUIDE FORMATION,
	CURED RESIN AND LIGHT GUIDE

(75) Inventors: Takahiro Higuchi, Hiratsuka (JP); Genji Imai, Hiratsuka (JP)

(73) Assignee: Kansai Paint Co., Ltd., Hyogo (JP)

(*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35

U.S.C. 154(b) by 308 days.

(21) Appl. No.: 10/589,723

(22) PCT Filed: Feb. 24, 2005

(86) PCT No.: PCT/JP2005/003026

§ 371 (c)(1),

(2), (4) Date: Aug. 17, 2006

(87) PCT Pub. No.: WO2005/081024

PCT Pub. Date: Sep. 1, 2005

(65)**Prior Publication Data**

> US 2008/0226245 A1 Sep. 18, 2008

(51) Int. Cl. G02B 6/00 (2006.01)

(52) U.S. Cl. 385/143; 385/145

(58) Field of Classification Search None See application file for complete search history.

(56)References Cited

U.S. PATENT DOCUMENTS

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* cited by examiner

Primary Examiner-Sung H Pak (74) Attorney, Agent, or Firm-Kratz, Quintos & Hanson,

ABSTRACT (57)

Disclosed is an optical waveguide-forming curable resin composition and optical waveguide-forming curable dry film which are capable of forming cured resin articles that have high heat resistance, excellent mechanical strength and high transparency, and possess properties required for forming optical waveguides, such as low thermal expansion, low transmission loss, etc.

The present invention provides a curable resin composition for forming an optical waveguide, the composition comprising a hydrolyzable silyl-containing silane-modified epoxy resin (A) having an average of at least one hydrolyzable silyl group and an average of at least one epoxy group per molecule; and a resin (B) having, per molecule, an average of at least one functional group that is reactive with an epoxy group; and an optical waveguide-forming curable dry film formed using the resin composition.

14 Claims, No Drawings



United States Patent and Trademark Office

UNITED STATES DEPARTMENT OF COMMERCE United States Patent and Trademark Office Address: COMMISSIONER FOR PATENTS PO. Box 1459 Alexandria, Viginia 22313-1450 www.uspio.gov

GRP ART APPLICATION FILING or FIL FEE REC'D ATTY.DOCKET.NO TOT CLAIMS IND CLAIMS NUMBER 371(c) DATE UNIT 060578 10/589,723 08/17/2006 2874 900 14

23850 KRATZ, QUINTOS & HANSON, LLP 1420 K Street, N.W. Suite 400 WASHINGTON, DC 20005 CONFIRMATION NO. 9539
CORRECTED FILING RECEIPT



Date Mailed: 08/13/2008

Receipt is acknowledged of this non-provisional patent application. The application will be taken up for examination in due course. Applicant will be notified as to the results of the examination. Any correspondence concerning the application must include the following identification information: the U.S. APPLICATION NUMBER, FILING DATE, NAME OF APPLICANT, and TITLE OF INVENTION. Fees transmitted by check or draft are subject to collection. Please verify the accuracy of the data presented on this receipt. If an error is noted on this Filing Receipt, please submit a written request for a Filing Receipt Correction. Please provide a copy of this Filing Receipt with the changes noted thereon. If you received a "Notice to File Missing Parts" for this application, please submit any corrections to this Filing Receipt with your reply to the Notice. When the USPTO processes the reply to the Notice, the USPTO will generate another Filing Receipt incorporating the requested corrections

Applicant(s)

Takahiro Higuchi, Kanagawa, JAPAN; Genji Imai, Kanagawa, JAPAN;

Assignment For Published Patent Application

KANSAI PAINT CO., LTD., HYOGO, JAPAN

Power of Attorney: The patent practitioners associated with Customer Number 23850

Domestic Priority data as claimed by applicant

This application is a 371 of PCT/JP2005/003026 02/24/2005

Foreign Applications

JAPAN 2004-049825 02/25/2004

If Required, Foreign Filing License Granted: 06/06/2008

The country code and number of your priority application, to be used for filing abroad under the Paris Convention, is **US 10/589,723**

Projected Publication Date: 09/18/2008

Non-Publication Request: No

Early Publication Request: No

DECLARATION FOR U.S. PATENT APPLICATION

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

GOIDE TOWN.	TION, CURED RESIN	AND LIGHT GUIDE		,
was filed on		as United States Appl	ication Number or PCT Intern	
Application Num	ber <u>PCT/JP2005/003</u>	026 and was amen	ded on October 21, 2	(if applicable
	nave reviewed and underst I by any amendment refer		above-identified specification	, including the
I acknowledge the du Regulations, § 1.56.	ity to disclose information	which is material to pa	atentability as defined in Title	37, Code of Federal
for patent or inventor	r's certificate listed below	and have also identifie	Code, § 119 (a) – (d) of any for d below any foreign application for which priority is claimed.	on for patent or
(List prior foreign				Priority Claime
applications. See	2004-49825	Japan	25/02/2004	Yes □ No
note A)	(Number)	(Country)	(Day/Month/Year Filed)	
A.				☐ Yes ☐ No
	(Number)	(Country)	(Day/Month/Year Filed)	
				☐ Yes ☐ No
_	(Number)	(Country)	(Day/Month/Year Filed)	
				☐ Yes ☐ No
_	(Number)	(Country)	(Day/Month/Year Filed)	
(See note B)	See attached list for	additional prior foreig	n applications	
insofar as the subject in the manner provid information which is	matter of each of the claimed by the first paragraph material to patentability	ms of this application is of Title 35, United States as defined in Title 37,	of any United States applications not disclosed in the prior Unites Code, § 112, I acknowled Code of Federal Regulations, national or PCT internations	ited States applicat ge the duty to disclose \$ 1.56 which beca
(I lee aste of G			Stat	tus
(List prior U.S. Applications) (Ap	plication Serial No.)	(Filing Date)	Patented Pend	ding 🗌 Abandoned
			Patented Pend	ding Abandoned
(An	plication Serial No.)	(Filing Date)		

I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith:

23850
PATENT TRADEMARK OFFICE

Please direct all communications to the following address:

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PATENT TRADEMARK OFFICE

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Title 18 of the United States Code, ' 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

(See note C)		irst inventor (given name, family name)	HIGUCHI Takahiro	
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	Full name of fifth inventor's signature	entor (given name, family name)	Date	
	Residence		Citizenship	
	Post Office Address			
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ATTORNEY'S DOCKET NO: 060578

U.S. DEPARTMENT OF COMMERC	DATE: August 17, 2006				
TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A FILING UNDER 35 U.S.C. 371					
INTERNATIONAL APPLICATION NO.: PCT/JP05/03026	INTERNATIONAL FILING DATE: February 24 , 2005	PRIORITY DATE CLAIMED: February 25, 2004			
TITLE OF INVENTION: CURABLE RESIN COMPOSITION FOR LIGHT GUIDE FORMATION, CURABLE DRY FILM FOR LIGHT GUIDE FORMATION, CURED RESIN AND LIGHT GUIDE					
APPLICANT(S) FOR DO/EO/US: Takahir	o HIGUCHI and Genji IMAI				
Applicant hereby submits to the United	States Designated/Elected Office (DO/EO/US) the	e following items and other information:			
1. XX This is a FIRST submission of	items concerning a filing under 35 U.S.C. 371.				
2 This is a SECOND or SUBSEC	QUENT submission of items concerning a filing u	nder 35 U.S.C. 371.			
	This is an express request to begin national examination procedures (35 USC 371(f)) at any time rather than delay examination until the expiration of the time limit set in 35 USC 371(b) and PCT Articles 22 and 39(1).				
A proper Demand for International date.					
5. XX A copy of the International Ap	plication as filed (35 U.S.C. 371(c)(2)):				
b. XX has been transmitte	b. XX has been transmitted by the International Bureau.				
6. XX A translation of the Internation	nal Application into English (35 U.S.C. 371(c)(2)).			
7. XX Amendments to the claims of	the International Application under PCT Article 1	.9 (35 U.S.C. 371(c)(3))			
b have been transmitt c have not been made	 b have been transmitted by the International Bureau. c have not been made; however, the time limit for making such amendments has NOT expired. 				
8 A translation of the amendme	nts to the claims under PCT Article 19 (35 U.S.C	C. 371(c)(3)).			
9. $\underline{\mathbf{XX}}$ An oath or declaration of the i	nventor(s) (35 U.S.C. 371(c)(4)).				
10. XX A translation of the annexes to (3 Sheets.)	o the International Preliminary Examination Repo	ort under PCT Article 36 (35 U.S.C. 371(c)(5)).			
ITEMS 11. TO 16. BELOW CONCERN OTHER DOCUMENT(S) OR INFORMATION INCLUDED:					
11. XX An Information Disclosure States Search Report.	atement under 37 CFR 1.97 and 1.98 together	with PTO-1449, 5 references and International			
12. XX a. An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included. XX b. ASSIGNEE(s) NAME(s) AND ADDRESS KANSAI PAINT CO., LTD., Amagasaki-shi, Japan Please publish the assignee data with the application.					
13. XX A FIRST preliminary amendment. A SECOND or SUBSEQUENT preliminary amendment					
14 A substitute specification.	14 A substitute specification.				
15 A change of power of attorney and/or address letter.					
16. Other items or information:					